

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/752,505

Source: _____

Date Processed by STIC: _____

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 03/09/2005

PATENT APPLICATION: US/10/752,505

TIME: 09:53:46

Input Set : N:\Crf3\RULE60\10752505.raw.txt

Output Set: N:\CRF4\03092005\J752505.raw

```

1 <110> APPLICANT: Shubata, Kenji
2     Yamnasaki, Motoo
3     Yoshida, Tetsuo
4     Mizukami, Tamio
5 <120> TITLE OF INVENTION: E2F Activity-Inhibiting Compound
6 <130> FILE REFERENCE: 766.29
7 <140> CURRENT APPLICATION NUMBER: US/10/752,505
8 <141> CURRENT FILING DATE: 2004-01-08
9 <150> PRIOR APPLICATION NUMBER: US/09/269,576
10 <151> PRIOR FILING DATE: 1999-03-30
11 <150> PRIOR APPLICATION NUMBER: PCT/JP97/03442
12 <151> PRIOR FILING DATE: 1997-09-26
13 <150> PRIOR APPLICATION NUMBER: JP 259432/1996
14 <151> PRIOR FILING DATE: 1996-09-30
15 <160> NUMBER OF SEQ ID NOS: 27
16 <170> SOFTWARE: WordPerfect 8
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 29
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: Synthetic
24 <220> FEATURE:
W--> 25 <221> NAME/KEY: Modified-site
26 <222> LOCATION: 1
27 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-leucine
28 <220> FEATURE:
W--> 29 <221> NAME/KEY: Modified-site
30 <222> LOCATION: 29
31 <223> OTHER INFORMATION: Xaa at position 29 representing L-alaninamide
32 <400> SEQUENCE: 1
W--> 33     Xaa Asn Trp Ala Ala Glu Val Leu Lys Val Gln Lys Arg Arg Ile Tyr
34         1         5         10        15
35     Asp Ile Thr Asn Val Leu Glu Gly Ile Gln Leu Ile Xaa
36         20        25
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 15
40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Synthetic
44 <220> FEATURE:
W--> 45 <221> NAME/KEY: Modified-site

```

RAW SEQUENCE LISTING

DATE: 03/09/2005

PATENT APPLICATION: US/10/752,505

TIME: 09:53:46

Input Set : N:\Crf3\RULE60\10752505.raw.txt

Output Set: N:\CRF4\03092005\J752505.raw

```

46 <222> LOCATION: 1
47 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-valine
48 <220> FEATURE:
W--> 49 <221> NAME/KEY: Modified-site
50 <222> LOCATION: 15
51 <223> OTHER INFORMATION: Xaa at position 15 representing L-valinamide
52 <400> SEQUENCE: 2
W--> 53      Xaa Leu Lys Val Gln Lys Arg Arg Ile Tyr Asp Ile Thr Asn Xaa
54          1              5              10              15
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 28
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Synthetic
62 <220> FEATURE:
W--> 63 <221> NAME/KEY: Modified-site
64 <222> LOCATION: 1
65 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine
66 <220> FEATURE:
W--> 67 <221> NAME/KEY: Modified-site
68 <222> LOCATION: 28
69 <223> OTHER INFORMATION: Xaa at position 28 representing L-serinamide
70 <400> SEQUENCE: 3
W--> 71      Xaa Glu Ser Ala Tyr Asp Gln Lys Asn Ile Arg Arg Arg Val Tyr Asp
72          1              5              10              15
73      Ala Leu Asn Val Leu Met Ala Met Asn Ile Ile Xaa
74          20              25
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 15
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Synthetic
82 <220> FEATURE:
W--> 83 <221> NAME/KEY: Modified-site
84 <222> LOCATION: 1
85 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine
86 <220> FEATURE:
W--> 87 <221> NAME/KEY: Modified-site
88 <222> LOCATION: 15
89 <223> OTHER INFORMATION: Xaa at position 15 representing L-methioninamide
90 <400> SEQUENCE: 4
W--> 91      Xaa Arg Arg Arg Val Tyr Asp Ala Leu Asn Val Leu Met Ala Xaa
92          1              5              10              15
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 35
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 03/09/2005

PATENT APPLICATION: US/10/752,505

TIME: 09:53:46

Input Set : N:\CrF3\RULE60\10752505.raw.txt

Output Set: N:\CRF4\03092005\J752505.raw

```

98 <220> FEATURE:
99 <223> OTHER INFORMATION: Synthetic
100 <220> FEATURE:
W--> 101 <221> NAME/KEY: Modified-site
102 <222> LOCATION: 1
103 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-alanine
104 <220> FEATURE:
W--> 105 <221> NAME/KEY: Modified-site
106 <222> LOCATION: 35
107 <223> OTHER INFORMATION: Xaa at position 35 representing L-leucinamide
108 <400> SEQUENCE: 5
W--> 109      Xaa Arg Gly Arg Gly Arg His Pro Gly Lys Gly Val Lys Ser Pro Gly
110          1              5              10              15
111      Glu Arg Ser Arg Tyr Glu Thr Ser Leu Asn Leu Thr Thr Lys Arg Phe
112          20              25              30
113      Leu Glu Xaa
114          35
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 38
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Primer for recovery of cDNA
122 <400> SEQUENCE: 6
123      agagagaagc ttaaagcgtc atggccttgg ccgggggcc
124                                     38
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 26
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Primer for recovery of cDNA
131 <400> SEQUENCE: 7
132      ttctgcacct tcagcacctc ggcagc
133                                     26
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 26
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Primer for recovery of cDNA
140 <400> SEQUENCE: 8
141      accaagcgct tcctggagct gctgag
142                                     26
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 26
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Primer for recovery of cDNA
149 <400> SEQUENCE: 9
150      ggaaaccctg gtacctccaa gccctg
151                                     26

```

RAW SEQUENCE LISTING

DATE: 03/09/2005

PATENT APPLICATION: US/10/752,505

TIME: 09:53:46

Input Set : N:\Crf3\RULE60\10752505.raw.txt

Output Set: N:\CRF4\03092005\J752505.raw

```

152 <210> SEQ ID NO: 10
153 <211> LENGTH: 33
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Primer for PCR amplification
158 <400> SEQUENCE: 10
159      ccacggatcc ccagcactca ctttgctct cag      33
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 34
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Primer for PCR amplification
167 <400> SEQUENCE: 11
168      ctgcgaattc taccggtttc tctgcaccag gttc      34
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 25
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Oligonucleotide for gel-shift experiment
176 <400> SEQUENCE: 12
177      atttaagttt cgcgcccttt ctcaa      25
179 <210> SEQ ID NO: 13
180 <211> LENGTH: 25
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Oligonucleotide for gel-shift experiment
185 <400> SEQUENCE: 13
186      ttgagaaagg gcgcgaaact taaat      25
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 30
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Primer for cloning human cdc2 promoter
194 <400> SEQUENCE: 14
195      ctatacactc ctaaccctaa gtattagaag      30
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 28
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Primer for cloning human cdc2 promoter
203 <400> SEQUENCE: 15
204      agctacaaca acgcgctcgct ctccgctc      28
206 <210> SEQ ID NO: 16

```

RAW SEQUENCE LISTING

DATE: 03/09/2005

PATENT APPLICATION: US/10/752,505

TIME: 09:53:46

Input Set : N:\Crf3\RULE60\10752505.raw.txt

Output Set: N:\CRF4\03092005\J752505.raw

```

207 <211> LENGTH: 22
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Fragment of reporter
212 <400> SEQUENCE: 16
213      tcgagccccg gggtagcgca tg                22
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 14
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Fragment of reporter
221 <400> SEQUENCE: 17
222      cggtagcccc gggc                14
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 60
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Fragment of reporter
230 <400> SEQUENCE: 18
231      tcgagcttgg cgggaaactt ggcgggaaac ttggcgggaa acttggcggg 50
232      aaagtcgacg                60
234 <210> SEQ ID NO: 19
235 <211> LENGTH: 60
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Fragment of reporter
240 <400> SEQUENCE: 19
241      gtaccgtcga ctttccccgcc aagtttcccc ccaagtttcc cgccaagttt 50
242      cccgccaagc 60
244 <210> SEQ ID NO: 20
245 <211> LENGTH: 29
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Synthetic
250 <220> FEATURE:
W--> 251 <221> NAME/KEY: Modified-site
      252 <222> LOCATION: 1
      253 <223> OTHER INFORMATION: Xaa at position 1 representing N-lauroyl-L-leucine
      254 <220> FEATURE:
W--> 255 <221> NAME/KEY: Modified-site
      256 <222> LOCATION: 29
      257 <223> OTHER INFORMATION: Xaa at position 29 representing L-alaninamide
      258 <400> SEQUENCE: 20
W--> 259      Xaa Asn Trp Ala Ala Glu Val Leu Lys Val Gln Lys Arg Arg Ile Tyr

```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 03/09/2005

PATENT APPLICATION: US/10/752,505

TIME: 09:53:47

Input Set : N:\Crf3\RULE60\10752505.raw.txt

Output Set: N:\CRF4\03092005\J752505.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,29

Seq#:2; Xaa Pos. 1,15

Seq#:3; Xaa Pos. 1,28

Seq#:4; Xaa Pos. 1,15

Seq#:5; Xaa Pos. 1,35

Seq#:20; Xaa Pos. 1,29

Seq#:21; Xaa Pos. 1,28

Seq#:25; Xaa Pos. 1,2,3,5,6,7,8,9,26,27,28,29

Seq#:26; Xaa Pos. 1,2,3,5,6,9,25,27

Seq#:27; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22

Seq#:27; Xaa Pos. 23,24,25,27,28,29,32,34,36,37,39,40

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:25; Line(s) 327,331,359

Seq#:26; Line(s) 379

Seq#:27; Line(s) 427,440,532

VERIFICATION SUMMARY

DATE: 03/09/2005

PATENT APPLICATION: US/10/752,505

TIME: 09:53:47

Input Set : N:\Crf3\RULE60\10752505.raw.txt

Output Set: N:\CRF4\03092005\J752505.raw

L:25 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
 L:29 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
 L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
 M:341 Repeated in SeqNo=1
 L:45 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
 L:49 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
 L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
 L:63 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:67 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
 M:341 Repeated in SeqNo=3
 L:83 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:87 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
 L:101 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:105 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
 M:341 Repeated in SeqNo=5
 L:251 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
 L:255 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
 L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
 M:341 Repeated in SeqNo=20
 L:271 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
 L:275 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
 L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
 M:341 Repeated in SeqNo=21
 L:325 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:329 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:333 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:337 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:341 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:345 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:349 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:353 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:357 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:361 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
 L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
 M:341 Repeated in SeqNo=25
 L:377 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:381 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:385 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:389 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:393 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:397 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:401 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:405 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:409 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26
 L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0

VERIFICATION SUMMARY

DATE: 03/09/2005

PATENT APPLICATION: US/10/752,505

TIME: 09:53:47

Input Set : N:\Crf3\RULE60\10752505.raw.txt

Output Set: N:\CRF4\03092005\J752505.raw

M:341 Repeated in SeqNo=26

L:425 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:430 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:434 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:438 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:442 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:446 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:450 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:454 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:458 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:462 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:466 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:470 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:474 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:478 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:482 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:486 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:490 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27
L:554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0

M:341 Repeated in SeqNo=27